

CLAIMS

1       1. A method for creating a data file using a programming  
2       development environment on a computer system, said method  
3       comprising the steps of:

4                  building a program in said development environment to  
5       represent said data file;

6                  compiling the program in said development environment  
7       into a software executable; and

8                  running the executable to generate the data file.

1       2. The method of claim 1 whereby the program is built by  
2       linking a plurality of development components

1       3. The method of claim 2 whereby at least one component  
2       comprises characteristic data file information

1       4. The method of claim 3 whereby, on running the  
2       executable, at least one compiled component outputs its  
3       respective data file information into the data file.

1       5. The method of claim 4 whereby, on running the  
2       executable, at least one compiled component creates a file  
3       output stream and writes its respective data file  
4       information to the output stream.

1       6. The method of claim 4 whereby, on running the  
2       executable, at least one compiled component causes another

3 component to output its respective data file information  
4 into the data file.

1 7. The method of claim 2 wherein at least one development  
2 component comprises a graphical icon for a visual  
3 development graphical user interface.

1 8. The method of claim 2 wherein the development  
2 components are Java beans.

1 9. The method of claim 2 wherein the development  
2 components comprise a main component and a sub-component.

1 10. The method of claim 9 wherein the main development  
2 component represents a form.

1 11. The method of claim 10 wherein the sub-component  
2 represents a text field on the form.

1 12. The method of claim 2 whereby the program is compiled  
2 by generating an executable component from each development  
3 component and linking the executable components together.

1 13. The method of claim 12 whereby, on running a first  
2 executable component, data file information from the first  
3 executable is output before running the next and subsequent  
4 executable components.

1       14. The method of claim 1, wherein the data file comprises  
2 mark-up information.

1       15. The method of claim 14, wherein the mark-up information  
2 comprises XML.

1       16. The method of claim 1 wherein the data file is for  
2 interpretation by a third party computer system.

1       17. The method of claim 16 wherein the third party computer  
2 system comprises a dialogue management system for a computer  
3 telephony system.

1       18. A system for creating a data file using a programming  
2 development environment on a further computer system, said  
3 system comprising:

4              means for building a program in said development  
5 environment to represent said data file;

6              means for compiling the program in said development  
7 environment into a software executable; and

8              means for running the executable to generate the data  
9 file.

1       19. The system of claim 18 whereby the program is built by  
2 linking a plurality of development components

1       20. The system of claim 19 whereby at least one component  
2 comprises characteristic data file information

21. The system of claim 20 whereby, on running the executable, at least one compiled component outputs its respective data file information into the data file.

22. The system of claim 21 whereby, on running the executable, at least one compiled component creates a file output stream and writes its respective data file information to the output stream.

23. The system of claim 21 whereby, on running the executable, at least one compiled component causes another component to output its respective data file information into the data file.

24. The system of claim 19 wherein at least one development component comprises a graphical icon for a visual development graphical user interface.

25. The system of claim 19 wherein the development components are Java beans.

26. The system of claim 19 wherein the development components comprise a main component and a sub-component.

27. The system of claim 26 wherein the main development component represents a form.

1       28. The system of claim 27 wherein the sub-component  
2       represents a text field on the form.

1       29. The system of claim 19 whereby the program is compiled  
2       by generating an executable component from each development  
3       component and linking the executable components together.

1       30. The system of claim 29 whereby, on running a first  
2       executable component, data file information from the first  
3       executable is output before running the next and subsequent  
4       executable components.

1       31. The system of claim 18, wherein the data file comprises  
2       mark-up information.

1       32. The system of claim 31, wherein the mark-up information  
2       comprises XML.

1       33. The system of claim 18 wherein the data file is for  
2       interpretation by a third party computer system.

1       34. The system of claim 33 wherein the third party computer  
2       system comprises a dialogue management system for a computer  
3       telephony system.

1       35. A computer program product comprising computer program code stored on a computer readable storage medium for,

*SMB*

3       creating a data file using a programming development  
4       ~~environment~~, said computer program product comprising:  
5               means for building a program in said development  
6        environment to represent said data file;  
7               means for compiling the program in said development  
8        environment into a software executable; and  
9               means for running the executable to generate the data  
10      file.